

Name \_\_\_\_\_

## Observation vs. Inference Review

**A. For each statement, write whether the statement is a qualitative observation, a quantitative observation, or an inference based on an observation.**

Ex: I can jump high in tennis shoes because they have rubber on the bottom.      *Inference*

Ex: The class had tables that were 50 cm long.      *Quantitative observation.*

- \_\_\_\_\_ 1. The fence is 4 meters high.
- \_\_\_\_\_ 2. The dog has thick fur because it is cold outside.
- \_\_\_\_\_ 3. A woman with a Pittsburgh Pirates shirt likes baseball.
- \_\_\_\_\_ 4. Mrs. Amos has hazel eyes.
- \_\_\_\_\_ 5. The container is filled to the 350mL mark with water.
- \_\_\_\_\_ 6. The grass was wet because it rained yesterday.
- \_\_\_\_\_ 7. The fire alarm made noise because there was a fire.
- \_\_\_\_\_ 8. Mrs. Amos is a teacher because she likes working with children.
- \_\_\_\_\_ 9. A student went to the main office because she was disruptive.
- \_\_\_\_\_ 10. There was one book on each of the twenty desks.
- \_\_\_\_\_ 11. The round ball feels smooth.
- \_\_\_\_\_ 12. Katie knows how to drive because she owns a car.
- \_\_\_\_\_ 13. There were 15 students on the school bus.
- \_\_\_\_\_ 14. Daniel likes winter since he lives in Alaska.
- \_\_\_\_\_ 15. Dana has a periodic table in her room, so she must love science.
- \_\_\_\_\_ 16. Dinosaurs died out when they could not adapt to the changing climate.
- \_\_\_\_\_ 17. The flower has red petals.
- \_\_\_\_\_ 18. The plant on the left is growing more because it has been receiving more water.
- \_\_\_\_\_ 19. The caterpillar did not eat the moth because it is not a carnivore.
- \_\_\_\_\_ 20. The cat weighed 10 pounds.

**B. Use the picture below to answer the following questions.**



Determine whether each statement is an inference or an observation.

\_\_\_\_\_ 1. This habitat has snow and water.

\_\_\_\_\_ 2. These penguins live in Antarctica.

Then write your own qualitative observation, quantitative observation, and inference based on the picture. Use complete sentences.

3. Qualitative observation

4. Quantitative observation

5. Inference